

## (43) International Publication Date 18 October 2001 (18,10,2001)

(10) International Publication Number WO 01/77137 A1

C07H 21/04 (81) Designated States (national): AE, AG, AL, AM, AT, AU, (51) International Patent Classification7:

AZ, BA, BB, BG, BR. BY, BZ, CA, CH, CN, CO, CR, CU,

(21) International Application Number: PCT/US01/11988 CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,

(22) International Filing Date: 12 April 2001 (12.04.2001) LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,

(25) Filing Language: English TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(26) Publication Language: English (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian (30) Priority Data:

patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European 60/229,358 12 April 2000 (12.04.2000) US patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, 60/199.384 25 April 2000 (25.04.2000) US IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,

60/256 931 21 December 2000 (21.12.2000) CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). (71) Applicant (for all designated States except US): HUMAN Published:

GENOME SCIENCES, INC. [US/US]: 9410 Key West Avenue, Rockville, MD 20850 (US),

(72) Inventors; and

(75) Inventors/Applicants (for US only): ROSEN, Craig, A. [US/US]: 22400 Rolling Hill Lane, Laytonsville, MD 20882 (US). HASELTINE, William, A. [US/US]; 3053 P. Street, NW, Washington, DC 20007 (US).

(74) Agent: VAN HORN, Charles, E.; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street N.W., Washington, D.C. 20005-3315 (US).

with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ALBUMIN FUSION PROTEINS

(57) Abstract: The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.